

barryflex RV-K

RV-K 0,6 / 1 kV

Definition

Technical definition:RV-K 0.6/1 kV

Voltage rating: 0.6/1 kV

max. operative temperature:
operating service:90°C
short-circuit (5 s.).....250°C

Voltage test: Alternating current.....3.5 kV.
Direct current.....8.5 kV.

Constructive description:
Built according to UNE 21123-2 standard:
1 Flexible electrolytic copper conductor class 5 according to UNE-EN 60228/ EN 60228 /IEC 60228 standard.
2 XLPE insulation- cross-linked polyethylene type DIX 3 according to UNE HD 603-1 index 2 A.
3 PVC sheath type DMV-18 according to UNE HD 603-1 index 4A.
They appear in single-core formation and multicore of 1 to 5 insulated phases, depending on the installation necessities.

Minimum temperature allowed for the cable laying during it _____



Cable simulation RV-K 0.6/1 kV 3G10 mm²

Applications

Installation type:FIXED.

Users Guide:

RV-K: "for transport and distribution of electrical energy in fixed facilities, protected or not. Adapted for inner and outer facilities, on supports to the air, in buried tubes or. Unsuitable for submerged pumps.". (UNE 21123-2).

It's specially indicated for its use in distribution networks, attacks, public lighting installations and industrial facilities, whenever an important fire risk does not exist. Its great flexibility makes them specially recommended in complex geometry facilities.

Suitable methods of installation:

The horizontal range between the clips will not be more than 20 times the diameter of the cable. The distance also is valid between points of support in case of tending on grids carries cables or on trays. In no case this distance must exceed the 80 cm.

Functional characteristics

A) Flexibility:

The use of flexible copper conductor forming a rope yarn of several very fine threads in combination with the isolation and PVC sheath provides these cables with exceptional degree of flexibility.

B) Non flame propagation test:

The composition of the PVC sheath type DMV-18, guarantees the non-flame propagation according to UNE-EN 60332-2-1 ; EN 60332-2-1 ; IEC 60332-2-1 standards.

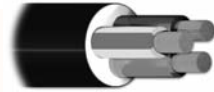
C) Behaviour outdoors:

It provides an optimal protection against possible environmental agents, allowing its installation outdoors, underground, even in the presence of non-permanent humidity.































D) High temperature on service:

The isolation of XLPE, improves the capacity of power transmission, elevating temperature in operating service up to 90°C and short - circuit (5 s.) up to 250°C, in contrast with 70/160°C of PVC.





Dimensional characteristics

Code	Nominal cross section	Ø Overall	Insulation thickness	Weight	Conductor resistance 20°C
					
	mm ²	mm	mm	Kg/km	Ohm/km
RV-K 0,6/1KV					
 86202	1x1,5	5,97	0,7	42	13,3
 86203	1x2,5	6,36	0,7	57	7,98
 86204	1x4	7,02	0,7	78,5	4,95
 86205	1x6	7,51	0,7	94	3,30
 86206	1x10	8,47	0,7	139	1,91
 86207	1x16	9,68	0,7	207,8	1,21
 86208	1x25	11,2	0,9	291,3	0,780
 86209	1x35	12,4	0,9	388,2	0,554
 86210	1x50	13,9	1	540	0,386
 86211	1x70	17	1,1	729	0,272
 86212	1x95	18,2	1,1	946,4	0,206
 86213	1x120	20,5	1,2	1196	0,161
 86214	1x150	22,5	1,4	1490	0,129
 86215	1x185	25,6	1,6	1812	0,106
 86216	1x240	28,2	1,7	2375	0,0801
 86217	1x300	31	1,8	2943	0,0641
 86221	2x1,5	8,71	0,7	95,5	13,3
 86222	2x2,5	9,82	0,7	131	7,98
 86223	2x4	10,96	0,7	187	4,95
 86224	2x6	13,4	0,7	282,5	3,30
 86225	2x10	15,1	0,7	408	1,91
 86226	2x16	18,1	0,7	508	1,21
 86227	2x25	20,5	0,9	798	0,780
 86232	3G1,5	9,5	0,7	115	13,3



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Next

Code	Nominal cross section	Ø Overall	Insulation thickness	Weight	Conductor resistance 20°C
	mm ²	mm	mm	Kg/km	Ohm/km

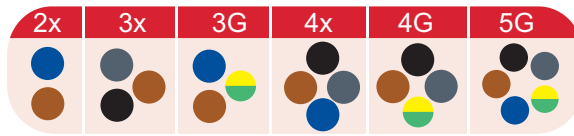
RV-K 0,6/1KV					
86233	3G2,5	10,2	0,7	151	7,98
86234	3G4	11,5	0,7	217	4,95
86235	3G6	14,3	0,7	329	3,30
86236	3G10	16,4	0,7	475	1,91
86237	3x16	19	0,7	730	1,21
86238	3x25	22,5	0,9	1042	0,780
86247	4G1,5	9,8	0,7	132	0,780
86248	4G2,5	11,3	0,7	185	0,554
86249	4G4	12,6	0,7	258	0,386
86250	4G6	15,3	0,7	402	0,272
86251	4G10	17,6	0,7	620	0,206
86252	4x16	21,1	0,7	948	0,161
81764	5G1,5	11,1	0,7	163	0,129
81766	5G2,5	12,5	0,7	222	13,3
81767	5G4	14	0,7	316	7,90
81768	5G6	16,7	0,7	496	4,95
81765	5G10	19	0,7	750	3,30
81778	5G16	23,1	0,7	1130	1,91
81792	5G25	28,7	0,9	1683	1,21
86253	4x25	23,5	0,9	1243	13,3
86260	4x35	27,3	0,9	1701	7,98
86261	4x50	31,5	1	2346	4,95
86264	4x70	36	1,1	3231	3,30
86262	4x95	41,3	1,1	4231	1,91
86263	4x120	47,8	1,2	5494	1,21
86265	4x150	53,2	1,4	6927	0,780



Available references of permanent stock and **Integrated Service** net



Colours



Presentation

Boxes, packages and standard pallet sizes

Cable type	M. pallet	Nominal section	meters
BARRYFLEX RV-K	4800	2x1,5	100
BARRYFLEX RV-K	3600	2x2,5	100
BARRYFLEX RV-K	3000	2X4	100
BARRYFLEX RV-K	2800	2X6	100
BARRYFLEX RV-K	4800	3G1,5	100
BARRYFLEX RV-K	3600	3G2,5	100
BARRYFLEX RV-K	3000	3G4	100
BARRYFLEX RV-K	2800	3G6	100
BARRYFLEX RV-K	4200	4G1,5	100
BARRYFLEX RV-K	3000	4G2,5	100
BARRYFLEX RV-K	3000	4G4	100
BARRYFLEX RV-K	1500	4G6	100
BARRYFLEX RV-K	3600	5G1,5	100
BARRYFLEX RV-K	3000	5G2,5	100
BARRYFLEX RV-K	2800	5G4	100
BARRYFLEX RV-K	1500	5G6	100

* Rest of sizes: available in drums